Author index

Bjørgaas, M see Qvigstad, G.

Ahren, B. Plasma leptin and insulin in C57B1/6 J mice on a high-fat diet: relation to subsequent changes in body weight, 233

Alcorn, D. see Hansell, P.

Altare, S. see Bermon, S. Aoki, K. see Yokoi, Y.

Arakawa, H. see Cui, Z.-H.

Arheden, H, Hellstrand, P. & Wohlfart, B. Dissociation between force and [Ca²⁺]_i during extra-systoles in guinea-pig ventricular muscle microinjected with fura-2, 1

Aulie, A. see Melsom, M.N.

Bagger, J.P. see Frøbert, O.

Ball-Burnett, M. see Green, H.J.

Balsom, P.D., Gaitanos, G.C., Söderlund, K. & Ekblom, B. High-intensity exercise and muscle glycogen availability in humans, 337

Baumann, G. see Stangl, V.

Bergdahl, A., Valdemarsson, S., Nilsson, T., Sun, X.-Y., Hedner, T. & Edvinsson, L. Dilatory responses to acetylcholine, calcitonin gene-related peptide and substance P in the congestive heart failure rat, 15

Bermon, S., Ferrari, P., Bernard, P., Altare, S. & Dolisi, C. Responses of total and free insulin-like growth factor-I and insulin-like growth factor binding protein-3 after resistance exercise and training in elderly subjects, 51

Bernard, P. see Bermon, S.

Bigard, A.X., Janmot, C., Sanchez, H., Serrurier, B., Pollet, S. & d'Albis, A. Changes in myosin heavy chain profile of mature regenerated muscle with endurance training in rat. 185

Bombardier, E. see Green, H.J.

Borthne, K., Langslet, A., Lindberg, H., Osnes, J.-B. & Skomedal, T. Endogenous muscarinic activity attenuates adrenergic inotropic effects in field stimulated atrial myocardium from children with congenital heart defects, 9

Browning, K.S. see Kuo, C.-H. Buttke, K. see Stangl, V.

Carter, N.D. see Wistrand, P.J. Castle, A.L. see Yaspelkis III, B.B. Conroy, C.W. see Wistrand, P.J.

Cui, Z.-H., Arakawa, H., Kawikova, I., Skoogh, B.-E. & Lötvall, J. Relationship between systemic blood pressure, airway blood flow and plasma exudation in guineapig, 121

Cvek, K. see Hydbring, E. d'Albis, A. see Bigard, A.X.

Dahly, A. see Green, H.J.

Diener, M. see Heinke, B.

Ding, Z. see Yaspelkis III, B.B. Dolisi, C. see Bermon, S.

Durand, F., Mucci, P., Safont, L. & Prefaut, C. Effects of nitric oxide inhalation on pulmonary gas exchange during exercise in highly trained athletes, 169 Edvinsson, L. see Bergdahl, A.

Eide, I. see Qvigstad, G.

Eintrei, C. see Sjöberg, F.

Ekblom, B. see Balsom, P.D. Eriksson, L. see Lecklin, A.

Erjefält, I. see Greiff, L.

Erjefält, J.S. see Greiff, L.

Evilevitch, V., Wu, T.T., Lindgren, L., Grieff, L., Norrgren, K. & Wollmer, P. Time course of the inflammatory response to histamine and allergen skin prick test in guinea-pigs, 409

Fagerholm, U., Nilsson, D., Knutson, L. & Lennernäs, H. Jejunal permeability in humans in vivo and rats in situ: investigation of molecular size selectivity and solvent drag, 315

Felix, S.B. see Stangl, V.

Ferrari, P. see Bermon, S.

Flatebø, T. see Melsom, M.N.

Franco-Cereceda, A. see Holm, P.

Frank, T. see Stangl, V.

Friberg, P. see Guron, G.

Friberg, P. see Wåhlander, H.

Fridén, J. see Willems, M.E.T.

Frøbert, O., Mikkelsen, E.O. & Bagger, J.P. The influence of transmural pressure and longitudinal stretch on K⁺-and Ca²⁺-induced coronary artery constriction, 379

Frøkiær, J. see Guron, G.

Fuglei, E. & Oritsland, N.A. Body composition, resting and running metabolic rates, and net cost of running in rats during starvation, 203

Gaitanos, G.C. see Balsom, P.D.

Göransson, V. see Hansell, P.

Goreham, C. see Green, H.J.

Grampp, W. see Skogvall, S.

Grände, P.-O. see Kongstad, L. Green, H.J., Dahly, A., Shoemaker, K., Goreham, C., Bombardier, E. & Ball-Burnett, M. Serial effects of high-resistance and prolonged endurance training on Na*-K* pump concentration and enzymatic activities in human vastus lateralis, 177

Greiff, L., Erjefält, I., Erjefält, J.S., Wollmer, P. & Persson, C.G.A. Effects of hydrogen peroxide on the guinea-pig tracheobronchial mucose in vivo, 415

Grieff, L. see Evilevitch, V.

Guron, G., Nilsson, A., Nitescu, N., Nielsen, S., Sundelin, B., Frøkiær, J. & Friberg, P. Mechanisms of impaired urinary concentrating ability in adult rats treated neonatally with enalapril, 103

Gustafsson, T., Puntschart, A., Sundberg, C.J. & Jansson, E. Related expression of vascular endothelial growth factor and hypoxia-inducible factor-1 mRNAs in human skeletal muscle, 335

Gustafsson, U. see Sjöberg, F.

Hallén, J. see Verburg, E. Hällgren, R. see Hansell, P. Hansell, P., Maric, C., Alcorn, D., Göransson, V., Johnson, C. & Hällgren, R. Renomedullary interstitial cells regulate hyaluronan turnover depending on growth media osmolality suggesting a role in renal water handling, 115

Harms, C. see Stangl, V. Hedner, T. see Bergdahl, A. Hedqvist, P. see Xie, X.

Heinke, B., Hörger, S. & Diener, M. The protein tyrosine kinase pathway is not involved in the regulation of K⁺ transport across the rat colon, 403

Hellstrand, P. see Arheden, H. Hellström, P.M. see Ljung, T. Hespel, P. see Vandenberghe, K. Hirvonen, J. see Klemola, R. Hollmann, W. see Strüder, H.K.

Holm, P. & Franco-Cereceda, A. Haemodynamic influence and endothelin-1 plasma concentrations by selective or nonselective endothelin receptor antagonists in the pig in vivo, 163

Hongpaisan, J. & Roomans, G.M. Effects of UTP on Na⁺, Cl⁻ and K⁺ transport in primary cultures from human sweat gland coils, 241

Hörger, S. see Heinke, B. Huijing, P.A. see Willems, M.E.T. Huttunen, K. see Uusimaa, P. Huttunen, P. see Klemola, R.

Hydbring, E., Cvek, K. & Olsson, K. Telemetric registration of heart rate and blood pressure in the same unrestrained goats during pregnancy, lactation and the non-pregnant, non-lactating period, 135

Ikäheimo, M. see Uusimaa, P. Inashima, S. see Yasuda, T. Isgaard, J. see Wählander, H. Iversen, J.-G. see Wassdal, I. Ivy, J.L. see Kuo, C.-H. Ivy, J.L. see Yaspelkis III, B.B.

Janmot, C. see Bigard, A.X. Jansson, E. see Gustafsson, T.

Johansson, B.-L. & Pernow, J. C-peptide potentiates the vasoconstrictor effect of neuropeptide Y in insulin-dependent diabetic patients, 39 Johnson, C. see Hansell, P.

Kalliokoski, R. see Komulainen, J.

Kannagi, T. see Oida, E. Kannagi, T. see Oida, E. Katsuta, S. see Yasuda, T. Kawikova, I. see Cui, Z.-H. Kikuchi, K. see Yasuda, T.

Klemola, R., Huttunen, P., Laine, M., Weckström, M. & Hirvonen, J. Catecholamines in pericardial fluid of normotensive, spontaneously hypertensive and reserpine-treated rats, 293

Knutson, L. see Fagerholm, U.

Komulainen, J., Koskinen, S.O.A., Kalliokoski, R., Takala, T.E.S. & Vihko, V. Gender differences in skeletal muscle fibre damage after eccentrically biased downhill running in rats, 57

Kondo, R. see Oishi, K.

Kongstad, L., Möller, A.D. & Grände, P.-O. Reflection coefficient for albumin and capillary fluid permeability in cat calf muscle after traumatic injury, 369 Koskinen, S.O.A. see Komulainen, J. Kuo, C.-H., Browning, K.S. & Ivy, J.L. Regulation of GLUT4 protein expression and glycogen storage after prolonged exercise, 193 Kuriyama, T. see Oishi, K.

Laine, M. see Klemola, R. Langslet, A. see Borthne, K. Larsen, K. see Wassdal, I.

Lecklin, A., Eriksson, L., Leppäluoto, J., Tarhanen, J. & Tuomisto, L. Metoprine-induced thirst and diuresis in Wistar rats, 325

Lennernäs, H. see Fagerholm, U. Leppäluoto, J. see Lecklin, A. Lindberg, H. see Borthne, K. Lindbom, L. see Xie, X.

Linde, R., Schmalbruch, I.K., Paulson, O.B. & Madsen, P.L. The Kety-Schmidt technique for repeated measurements of global cerebral blood flow and metabolism in the conscious rat, 395

Lindgren, L. see Evilevitch, V. Linnaluoto, M. see Uusimaa, P.

Ljung, T. & Hellström, P.M. Vasoactive intestinal peptide suppresses migrating myoelectric complex of rat small intestine independently of nitric oxide, 225

Lötvall, J. see Cui, Z.-H.

Machida, K. see Oishi, K. Madsen, P.L. see Linde, R. Maekawa, S. see Oishi, K. Mahieu, I. see Wistrand, P.J. Maric, C. see Hansell, P.

Melsom, M.N., Flatebø, T., Sjaastad, Ø.V., Aulie, A. & Nicolaysen, G. Minor redistribution of ventilation and perfusion within the lung during exercise in sheep, 283

Mikkelsen, E.O. see Frøbert, O. Möller, A.D. see Kongstad, L. Moritani, T. see Oida, E. Mucci, P. see Durand, F. Munch, I.C. see Severinsen, T. Muß, J. see Stangl, V.

Nicolaysen, G. see Melsom, M.N. Nicolaysen, G. see Wassdal, I.

Nielsen, H.B. pH after competitive rowing: the lower physiological range?, 113

physrological tanget, 115 Nielsen, S. see Guron, G. Niihata, S. see Yasuda, T. Nilsson, A. see Guron, G. Nilsson, D. see Fagerholm, U. Nilsson, T. see Bergdahl, A. Nitescu, N. see Guron, G. Norrgren, K. see Evilevitch, V.

Oida, E., Kannagi, T., Moritani, T. & Yamori, Y. Diabetic alteration of cardiac vago-sympathetic modulation assessed with tone-entropy analysis, 129

Oida, E., Kannagi, T., Moritani, T. & Yamori, Y. Physiological significance of absolute heart rate variability in postural change, 421

Oishi, K., Yokoi, M., Maekawa, Ş., Sodeyama, C., Shiraishi, T., Kondo, R., Kuriyama, T. & Machida, K. Oxidative stress and haematological changes in immoblized rats, 65

Olsson, K. see Hydbring, E. Oritsland, N.A. see Fuglei, E. Osnes, J.-B. see Borthne, K.

Paulson, O.B. see Linde, R. Peltser, B. see Würtz, J. Pernow, J. see Johansson, B.-L. Persson, C.G.A. see Greiff, L. Pollet, S. see Bigard, A.X. Prefaut, C. see Durand, F. Puntschart, A. see Gustafsson, T.

Qvigstad, G. Bjørgaas, M, Eide, I., Sandvik, A.K. & Waldum, H.L. Vagal stimulation augments maximal (penta) gastrin stimulated acid secretion in humans, 277 Richter, E.A. see Vandenberghe, K. Roomans, G.M. see Hongpaisan, J. Roomans, G.M. see Zhang, W. Ruskoaho, H. see Uusimaa, P.

Safont, L. see Durand, F. Salvenmoser, W. see Würtz, J. Sanchez, H. see Bigard, A.X. Sandvik, A.K. see Qvigstad, G. Sasaki, S. see Yasuda, T. Schiffer, T. see Strüder, H.K. Schmalbruch, I.K. see Linde, R. Sejersted, O.M. see Verburg, E. Serrurier, B. see Bigard, A.X Severinsen, T. & Munch, I.C. Body core temperature during food restriction in rats, 299 Shiraishi, T. see Oishi, K. Shoemaker, K. see Green, H.J. Sjaastad, O.V. see Melsom, M.N. Sjöberg, F., Gustafsson, U. & Eintrei, C. Specific blood flow reducing effects of hyperoxaemia on high flow capillaries in the pig brain, 33 Skogvall, S. & Grampp, W. Physiological oxygen concentration gives an oscillating spontaneous tone in guinea-pig tracheal preparations, 81 Skomedal, T. see Borthne, K. Skoogh, B.-E. see Cui, Z.-H. Söderlund, K. see Balsom, P.D. Sodeyama, C. see Oishi, K. Stangl, K. see Stangl, V. Stangl, V., Harms, C., Frank, T., Stangl, K., Muß, J., Buttke, K., Baumann, G. & Felix, S.B. Cardiodepressant

mediators are released after myocardial ischaemia: modulation by catecholamines and adenosine, 387 Strüder, H.K., Hollmann, W., Weicker, H., Schiffer, T. & Weber, K. Blood oxygen partial pressure affects plasma prolactin concentration in humans, 265 Sun, X.-Y. see Bergdahl, A. Sundberg, C.J. see Gustafsson, T. Sundelin, B. see Guron, G.

Takala, T.E.S. see Komulainen, J. Tarhanen, J. see Lecklin, A. Tuomisto, L. see Lecklin, A.

Uusimaa, P., Huttunen, K., Ruskoaho, H., Linnaluoto, M. & Ikäheimo, M. Neurohumoral responses to a single haemodialysis in chronic renal patients, 25

Valdemarsson, S. see Bergdahl, A.Vandenberghe, K., Richter, E.A. & Hespel, P. Regulation of glycogen breakdown by glycogen level in contracting rat muscle, 307

Verburg, E., Hallén, J., Sejersted, O.M. & Vøllestad, N.K. Loss of potassium from muscle during moderate exercise in humans: a result of insufficient activation of the Na⁺-K⁺-pump?, 357
Vihko, V. see Komulainen, J.
Vollestad, N.K. see Verburg, E.

Wada, M. see Yasuda, T.
Wählander, H., Wickman, A., Isgaard, J. & Friberg, P.
Interaction between the renin-angiotensin system and insulin-like growth factor I in acrto-caval fistula-induced cardiac hypertrophy in rats, 143
Waldum, H.L. see Qvigstad, G.

Wassdal, I., Larsen, K. & Iversen, J.-G. Bradykinin elevates cytosolic Ca²⁺ concentration in smooth muscle cells isolated from rat duodenum, 259

Wassdal, I., Nicolaysen, G. & Iversen, J.-G. Mechanisms of the relaxant and contractile responses to bradykinin in rat duodenum, 271

Weber, K. see Strüder, H.K. Weckström, M. see Klemola, R. Weicker, H. see Strüder, H.K. Wickman, A. see Wählander, H. Willems, M.F.T. Hujjing, P.A. 8

Willems, M.E.T., Huijing, P.A. & Fridén, J. Swelling of sarcoplasmic reticulum in the periphery of muscle fibres after isometric contractions in rat semimembranosus lateralis muscle, 347

Wistrand, P.J., Carter, N.D., Conroy, C.W. & Mahieu, I. Carbonic anhydrase IV activity is localized on the exterior surface of human erythrocytes, 211

Wohlfart, B. see Arheden, H. Wollmer, P. see Evilevitch, V. Wollmer, P. see Greiff, L. Wu, T.T. see Evilevitch, V.

Würtz, J., Salvenmoser, W. & Peltser, B. Localization of carbonic anhydrase in swimbladder of European eel (Anguilla anguilla) and perch (Perca fluviatilis), 219

Xie, X., Hedqvist, P. & Lindbom, L. Influence of local haemodynamics on leucocyte rolling and chemoattractant-induced firm adhesion in microvessels of the rat mesentery, 251

Yamori, Y. see Oida, E. Yamori, Y. see Oida, E.

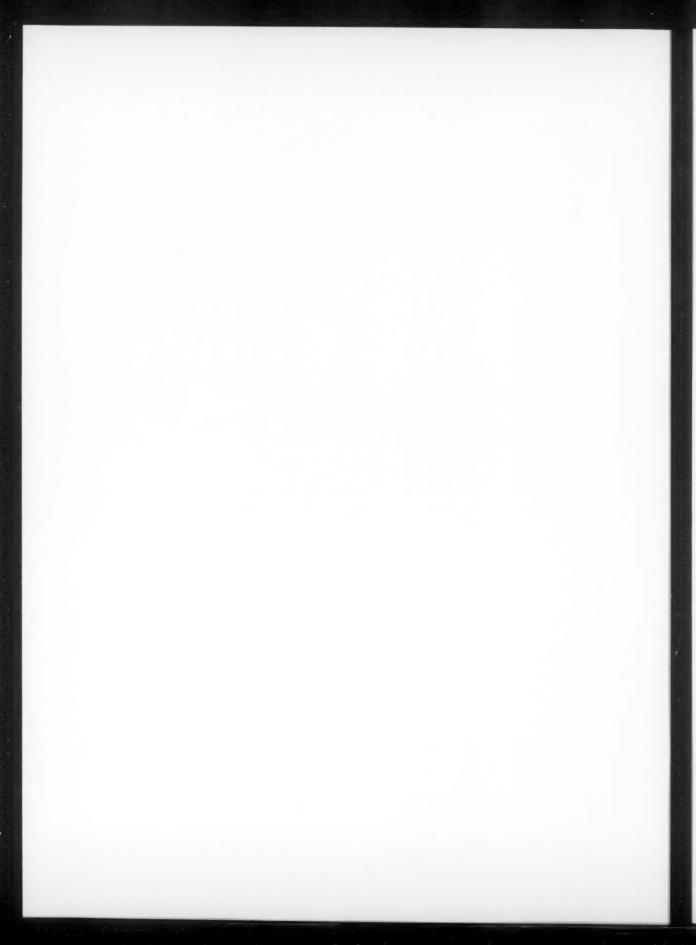
Yaspelkis III, B.B., Castle, A.L., Ding, Z. & Ivy, J.L. Attenuating the decline in ATP arrests the exercise training-induced increases in muscle GLUT4 protein and citrate synthase activity, 71

Yasuda, T., Inashima, S., Sasaki, S., Kikuchi, K., Niihata, S., Wada, M. & Katsuta, S. Effects of exhaustive exercise on biochemical characteristics of sarcoplasmic reticulum from rat soleus muscle, 45

Yokoi, M. see Oishi, K.

Yokoi, Y. & Aoki, K. Relationship between blood pressure and heart-rate variability during graded head-up tilt, 155

Zhang, W. & Roomans, G.M. Effects of piruitary adenylate cyclase activating polypeptide-27 (PACAP) and vasoactive intestinal polypeptide (VIP) on chloride in HT29 cells studied by X-ray microanalysis, 95



Subject index

Absorption, 415 Acetylcholine, 15 Activation, 395 Activity, 299 Acute electrical stimulation, 71 Adenosine, 387 Adenosine 3',5'-cyclic monophosphate, 71 Adenosine triphosphatase, 45 Adenylate cyclase, 71 Aerobic power, 177 Aerosol, 283 Affinity, 45 Ageing, 51, 129 Airway, 415 Airway smooth muscle, 81 Albumin, 369 Anaesthesia, 395 Angiogenesis factor, 335 Angiotensin II, 143 Angiotensin-converting enzyme inhibitor, 103 Anguilla anguilla, 219 Anionic transport, 211 Antioxidants, 65 Aorto-caval fistula, 143 Aquaporin-2, 103 Asthma, 121 Atrial myocardium, 9 Atrial natriuretic peptide, 25, 325 Atropine, 9 Autonomic blockade, 129 Autonomic nerve activity, 155

Beta rays, 409 β -guanadinoproprionic acid, 71 Blood flow, 33, 121, 251 Blood lactate, 337 Blood pressure, 135, 155, 325 BMS-182874, 163 Body temperature, 299 Body weight, 233 Bosentan, 163 BQ-788, 163 Bradykinin, 121, 259 Brain, 33 Buspirone hydrochloride, 265

Calcitonin gene-related peptide, 15
Calcium, 1, 241, 271, 379
Capillary filtration coefficient, 369
Capsaicin, 81
Carbohydrates, 337
Carbonic anhydrase, 211, 219
Cardiac hypertrophy, 143
Cat skeletal muscle, 369
Catecholamines, 307, 337, 387
Cerebral blood flow, 395
Cerebral metabolism, 395
Chloride shift, 211
Chloride transport, 95

Circadian rhythm, 299
Clenbuterol, 71
CO₂ transport, 211
Colloid osmotic pressure, 369
Competitive rowing, 113
Congenital heart defects, 9
Congestive heart failure, 15
Conscious, 395
Contractility, 387
Contractions, 307
Coronary vessels drug effects, 379
Cytoskeleton, 57

Desmin, 347 p-glucose, 315 Diet, 337 Dilatation, 15 Dopamine, 265 Drinking behaviour, 325 Drug absorption, 315 Dry period, 135

Eccentric exercise, 57 Eel, 219 Electrolyte transport, 403 Enalapril, 103 Endogeneous acetylcholine, 9 Endogenous noradrenaline, 9 Endothelin-1, 163 Epithelial ion transport, 241 Erythrocyte, 65 Erythrocytes, 211 Excitation-contraction coupling, 1 Exercise, 51, 357 Exercise-induced hypoxaemia, 169 Exhaustive exercise, 45 Extracellular matrix, 115 Exudate, 409

Fasting, 203
Fatigue, 45, 357
Female, 57
FFFA, 337
FGF-2, 335
Fibre type conversion, 185
Food-deprivation, 135
Force-interval relationships, 1
Force-length relationship, 347
Forearm blood flow, 39
Free IGF-I, 51
Fura-2, 1

Gas exchange, 283
Gas gland cell, 219
Gastrointestinal motility, 225
Gel electrophoresis, 185
Gene expression, 335
Genistein, 403
Ghosts, 211

Glucose, 193
Glucose clamp technique, 277
Glucose uptake, 39
GLUT4 mRNA, 193
Glycerol, 337
Glycogen, 337
Glycogen synthase, 307
Glycogenolysis, 307
Goats, 135
Growth media osmolarity, 115

Haemodialysis, 25 Head-up tilt, 155 Heart, 293 Heart rate, 135 Heart rate variability, 129, 155, 421 1-heptanol, 81 High-fat diet, 233 Highly trained athletes, 169 Histamine, 325 Histamine release, 169 Histochemistry, 219 Human, 357 Human C-peptide, 39 Hyaluronan, 115 Hyperoxia, 33, 265 Hypertensive rat, 293 Hypoglycaemia, 277 Hypoxanthine, 337 Hypoxia, 265

IGFBP-3, 51 Immobilization stress, 65 Immunohistochemistry, 185 Indomethacin, 81 Inflammation, 251, 409, 415 Insulin, 233, 307 Insulin-like growth factor I, 143 Intestinal epithelium, 95 Intestinal perfusion, 315 Intestinal physiology, 315 Intravital microscopy, 251 Ischaemia, 387 Isolated guinea-pig heart, 387 Isolated smooth muscle cells, 259 Isometric contraction, 347

K⁺ channels, 403 K⁺ selective electrode, 357 K⁺ transport, 403 Kety-Schmidt technique, 395 Kinin, 259, 271

Lactation, 135
Lantan phospholipase C, 259
Leptin, 233
Leucocyte/endothelium interactions, 251
Lidocaine, 81
Lipid peroxidation, 65
Losartan, 143

Male, 57 Maximal gastric acid secretion, 277 Membranes, 211 Metabolic depression, 203 Metabolic pathways, 177 Metoprine, 325 MHC isoforms, 185 Mice, 233 Microcirculation, 33, 409 Microelectrode, 33 Microspheres, 283 Muscle, 177 Muscle damage, 57 Muscle fibre, 347 Muscle optimum length, 347 Myograph, 379

N⁺ - K⁺ - ATPase, 403 Na⁺ - K⁺ ATPase, 177 Na⁺ - K⁺ - 2 CL⁻ cotransporter, 403 Na⁺ - K⁺ - pump, 357 Net cost of running, 203 Nitric oxide, 169, 225 Noradrenaline, 293

Oedema, 369 Oscillations, 81 Oxidative injury, 65 Oxygen, 81 Oxygen pressure, 33 Oxygen uptake, 337

Paracellular absorption, 315 Pentagastrin, 277 Perca fluviatilis, 219 Perch, 219 Performance, 337 Pericardial fluid, 293 Permeability, 315, 369 pH, 113 Phospholipase C, 271 Phosphorylase, 307 Pig, 33, 163 Pituitary andenylate cyclase activating polypeptide-27, 95 Plasma exudation, 121, 415 Plasma renin activity, 325 Polysome, 193 Porcine, 379 Postural changes, 421 Potassium, 357, 379 Pregnancy, 135 Pulmonary circulation, 283 Purinergic receptors, 241

Radioactive tracers, 409 Radiotelemetry, 135 Ramipril, 143 Rat, 57, 103 Rat colon, 403 Rat mesentery, 251 Rat studies, 143 Rats, 203 Receptors, 163 Reflection coefficient, 369 Regeneration, 185 Renal development, 103 Renal medulla, 103 Renin-angiotensin system, 103, 143 Reperfusion, 387 Reserpine, 293 Resting metabolic rate, 203

Restricted feeding, 299 Running metabolic rate, 203

Sarcomere, 347 Sarcoplasmic reticulum, 45, 347 Second messenger, 259, 271 Serotonin, 265 Signal transduction, 95 Skeletal muscle, 185, 307, 357 Slow-twitch muscle, 45 Small intestine, 225 Smooth muscle, 225, 271 Solvent drag, 315 Somatostatin, 95 Spectral analysis, 155 Spontaneous tone, 81 Starvation, 203, 299 Strength training, 51 Stress failure, 169 Substance P, 15 Surgery, 369 Swimbladder, 219

Temperature regulation, 299 Tetrodotoxin, 81 Tone-entropy analysis, 421 Training, 177 Transcription, 193 Transcription factor, 335 Translation, 193 Trauma, 369 Treadmill running, 185

Ultrastructure, 415 Urine concentration, 103 Urine flow, 325

Vagal nerves, 277
Variables, 113
Vascular physiology, 379
Vascular resistance, 39
Vasoactive substances, 25
Vasoconstrictor, 121
Vasointestinal polypeptide, 95
Vasopressin, 325
Venous occlusion plethysmography, 39
Ventilation-perfusion ratio, 283
Volume status, 25

Water absorption, 315 Wistar rats, 299

X-ray microanalysis, 95, 241



